



The
NEW HAMPSHIRE DEPARTMENT OF ENVIRONMENTAL SERVICES
hereby issues
LARGE GROUNDWATER WITHDRAWAL PERMIT

NO. LGWP-2010-0003A

to the permittee

TOWN OF BOW
10 GRANDVIEW ROAD
BOW, NH 03304
(603-228-1187)

for the withdrawal of the following volume of groundwater from the following wells for the purpose of community water supply:

PW-1 and PW-2: a combined total of 1,008,000 gallons over any 24-hour period

Date of Issuance: April 28, 2020

Date of Expiration: April 16, 2030

Pursuant to authority in N.H. RSA 485-C:21, the New Hampshire Department of Environmental Services (NHDES), hereby grants this permit to withdraw groundwater from wells PW-1 and PW-2 subject to the following conditions:

1. The permittee shall comply with the requirements of Env-Wq 403 and RSA 485-C at all times.
2. Water Conservation: The permittee shall implement the approved Water Conservation Plan, dated September 29, 2009, in accordance with Env-Wq 2101 and NHDES' conditional approval dated May 6, 2010.
3. Metering Requirements: Withdrawals from the sources must be metered at all times. All meters must be selected, installed, tested, and maintained in accordance with Env-Wq 2101. The permittee shall read source water meters to adequately report the following volumes to the reporting program referenced in condition No. 6 of this permit:
 - a) The 24-hour peak day volume withdrawn from the sources during each month; and
 - b) The cumulative total volume withdrawn from the sources during each month.
4. Monitoring and Reporting Requirements: The permittee shall establish and maintain the monitoring and reporting program as described below.
 - a) Groundwater Level Monitoring: The permittee shall use electronic water level meters or install pressure transducers and data loggers and measure water levels at a frequency of at least twice per week at on-site overburden monitoring wells OW-6, OW-8 and OW-9.

All water level monitoring shall be completed by a person who can demonstrate, by education or experience, competency in collecting and reporting hydrogeologic measurements.

Monitoring well locations and frequency may be changed if additional data points are required to assess the potential for adverse impacts to occur.

- b) Water Quality Monitoring: The permittee shall collect water quality samples from on-site overburden monitoring wells OW-6, OW-8 and OW-9 at least annually.

All samples collected shall be analyzed for volatile organic compounds (VOCs by method 524), sodium and chloride, and field measured for specific conductance, temperature and pH. The sampling methodology for all samples collected shall conform to standard low-flow sampling techniques or an equivalent method.

All water quality sampling shall be completed by a person who can demonstrate, by education or experience, competency in collecting and recording water quality samples.

Water quality sampling frequency, parameters and locations may be added or changed if the water quality results contradict the information in the permittee's application, or if additional sampling is required to assess the potential for adverse impacts to occur.

In the event that results from quarterly VOC sampling of the monitoring wells indicate the presence of a compound that exceeds New Hampshire Ambient

Groundwater Quality Standards, the permittee shall notify NHDES within two weeks of receipt of the water quality results.

- c) Reporting Requirements: All monitoring data, including all analytical laboratory results, shall be submitted to NHDES annually by January 31 of each year in an electronic format. Along with the data, the permittee shall note any relevant observations that may affect the water level measurements or water quality results.

5. Mitigation Requirements

- a) In the event that adverse impacts occur, the permittee shall comply with all of the requirements below and with the impact mitigation and source replacement requirements of Env-Wq 403.
 - b) Where the status of an unanticipated impact is not clear, the permittee shall gather information needed to quantify the impact and determine its status relative to adverse impact criteria defined under RSA 485-C:21, V-c and provide this information to NHDES within 48 hours of being notified by NHDES. A verified adverse impact shall be mitigated in accordance with Env-Wq 403.
6. The permittee shall maintain the water use reporting requirements established by RSA 488, Env-Wq 2102 and this permit.
7. The permittee shall apply for renewal of this permit no more than six months prior to its expiration date in accordance with Env-Wq 403. The permittee shall continue to comply with all conditions in this permit until the permit is renewed or the facility is closed in accordance with all applicable requirements, regardless of whether a renewal application is filed.

Any person aggrieved by any terms or conditions of this permit may appeal in accordance with RSA 485-C:21, VI within 30 days.



for SP

Sarah Pillsbury, Administrator
Drinking Water & Groundwater Bureau